



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE  
(800) 424-9393  
Wash. D.C. Area 366-0123

Case Vehicle (A): 1999 Volvo  
 Type: S-80, 4-door sedan  
 Driver: 34-year-old male  
 CDC: 12-FDEW-2

Veh. (B): 1997 Dodge  
 Type: Neon, 4-door sedan  
 Driver: 25-year-old female  
 CDC: 99-00000-0

## SITUATION

(Slide 1) It was dawn and overcast, and (slide 2) the four-lane divided limited-access asphalt freeway road surface was wet but free of defects. Case vehicle (A) was traveling west at an unknown speed in the left westbound lane. Vehicle (B) was traveling west at an unknown speed in the right westbound lane, just slightly ahead of case vehicle (A). The driver of vehicle (B) attempted to change lanes by moving to the left, but then saw case vehicle (A) and steered to the right to go back into her original travel lane. The driver of vehicle (B) lost control of the vehicle and it rotated counterclockwise 180 degrees and went into the path of case vehicle (A). The front of case vehicle (A) struck the front of vehicle (B) in an offset mode. The drivers of case vehicle (A) and vehicle (B) were transported to a local hospital via ambulance, and both were treated and released the same day.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 3) The direct damage to case vehicle (A) began at the left-front bumper corner and extended 122 cm to the left, resulting in 77 percent vehicle overlap. (Slide 4) The maximum crush was 27 cm to the center-front bumper. (Slide 5) The plastic bumper cover/fascia was pulled away from the metal bumper support, so all measurements were taken at the support.

Using the WinSMASH accident-reconstruction program, a principal direction of force of 10 degrees, and a (slides 6, 7, 8 and 9) crush profile measured for case vehicle (A), the following impact severity was determined:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case vehicle (A)	EBS	32 (14)	-31 (-14)	6 (2)



## **DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)**

### **Exterior**

(Slide 10) In the front, the grille, the left headlight assembly, the hood, and the hood latch, were damaged. The hood latch was damaged and jammed closed, but was pried open by rescue or tow-yard personnel. (Slide 11) The left and center portion of the radiator and upper radiator support were deformed rearward. (Slide 12) The rear edge of the hood was elevated, but it did not contact the undamaged windshield.

On the left side, (slide 13) the fender was crushed rearward, (slides 14 and 15) but there was no change in the wheelbase. On the right side, (slide 16) the fender was slightly deformed, (slide 17) but there was no change in the wheelbase. (Slides 18 and 19) There was no damage to the rear of the vehicle.

### **Interior**

This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, front seat side-impact airbags, front seat seatbelt pre-tensioners, and front seat “AWS” (anti-whiplash seat) rear-impact protection systems. (Slides 20, 21 and 22) Both frontal-impact airbags deployed in this frontal collision. It is believed that the pre-tensioner fired on the driver’s belt system, but no physical evidence was present to verify this (e.g. the seatbelt was not locked in an extended position and would retract properly). (Slides 23, 24, 25, 26, 27, and 28) There was no damage to the steering-wheel or the passenger airbag module covers. (Slides 29, 30, 31, and 32) There was no deformation to the steering-wheel rim or spokes. There was no rotation of the steering column. (Slide 33) There was a discoloration or burn on the left steering-wheel spoke. (Slides 34, 35, 36, 37, 38, 39 and 40) There was no interior damage and no intrusion.

## **OCCUPANT KINEMATICS AND INJURIES**

(Slide 41) The 5-ft, 10-in, 160-lb, 34-year-old male driver was wearing the three-point belt and the (slide 42) frontal-impact airbag deployed. (Slide 43) Webbing imprints on the plastic continuous loop and (slide 44) plastic transferred onto the belt webbing are indicators of belt use at the time of the crash. The driver sustained a strain to his right shoulder, probably from contact

with the deploying airbag. (Slides 45 and 46) There was a scuff mark on the plastic knee bolster cover, but no injuries were reported from this witness mark.

The following table and attached drawing (slide 47) summarize the injuries for the driver who was the lone occupant of case vehicle (A).

Occupant: Driver  
Restraints: 3-point belt worn (unknown if pretensioner  
fired); frontal-impact airbag deployed;  
side-impact airbag did not deploy

Age: 34 years  
Stature: 178 cm (5 ft, 10 in)

Sex: Male  
Mass: 73 kg (160 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Strain, right shoulder	1		Airbag	
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>1</u>			

Duplicate columns 1-8  
from the previous card.

Module G 1 Format 0 2  
9 10 11 12

# GENERAL INFORMATION GI-1

## TIME

DATE OF COLLISION

      /       /              
m m d d y y y y

HOUR OF COLLISION

(24 HOUR CLOCK)

             
21 24

## LOCATION

STATE:                     

STATE FIPS CODE

       
25 26

AREA

- (1) URBAN  
(2) RURAL  
(9) UNKNOWN

    
27

## ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO  
(1) YES  
(9) UNKNOWN

    
28

ROAD, TOTAL TRAFFIC LANES  
(FOR CASE VEHICLE)

- (1) 1-LANE  
(2) 2-LANES  
(3) 3-LANES  
(4) 4 OR MORE LANES  
(5) DIVIDED, 4 OR MORE LANES  
(6) PARKING LOT/DRIVEWAY  
(7) OTHER:                       
(9) UNKNOWN

    
29

INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

(8) NOT APPLICABLE

    
30

TYPE OF ROAD SURFACE

- (1) ASPHALT  
(2) CONCRETE  
(3) GRAVEL  
(4) MORE THAN ONE (CIRCLE EACH)  
(7) OTHER:                       
(9) UNKNOWN

    
31

ROAD DEFECTS

- (0) NO  
(1) YES  
(9) UNKNOWN

    
32

## ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO  
(1) YES  
(9) UNKNOWN

    
33

ROAD ALIGNMENT  
VERTICAL PLANE

- (1) LEVEL  
(2) CREST OF HILL  
(3) SLOPE (2%)  
(4) BOTTOM OF HILL  
(9) UNKNOWN

    
34

ROAD ALIGNMENT  
HORIZONTAL PLANE

- (1) STRAIGHT  
(2) CURVE  
(3) T - SHAPED  
(4) Y - SHAPED  
(9) UNKNOWN

    
35

SURFACE COVERING

- (10) DRY  
  
(21) WATER - DAMP  
(22) WATER - WET  
(23) WATER - PUDDLED  
(29) WATER - AMOUNT UNKNOWN  
  
(31) SNOW - LOOSE  
(32) SNOW - PACKED  
(39) SNOW - CONDITION UNKNOWN  
  
(41) ICE  
(51) SLUSH  
(61) SPILLED GRAVEL  
(71) OTHER:                       
(99) UNKNOWN

       
36 37

VISIBILITY LIMITATION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) CLOUDY/DARK  
(2) FOG  
(3) SMOKE  
(4) WINDSHIELD CONDITION  
(5) GLARE  
(6) RAIN  
(7) OTHER:                       
(8) ICE/SNOW  
(9) UNKNOWN

    
38

VISIBILITY OBSTRUCTION  
(FOR CASE VEHICLE)

- (0) NONE  
(1) BUILDING  
(2) SIGN  
(3) VEGETATION (E.G. BUSHES, SHRUBS)  
(4) TREE  
(5) HILL OR CURVE IN ROAD  
(6) VEHICLE IN TRANSPORT  
(7) OTHER:                       
(8) PARKED VEHICLE  
(9) UNKNOWN

    
39



## GENERAL INFORMATION GI-3

## CRASH DETAILS

## CASE VEHICLE AND OBJECT

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
47

## CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER  
(1) YES, FIRST EVENT  
(2) YES, SUBSEQUENT EVENT  
(3) YES, SEQUENCE UNKNOWN  
(9) UNKNOWN

0  
48

CASE VEHICLE RAN OFF ROADWAY  
(BEFORE FIRST IMPACT)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
49

MOVING CASE VEHICLE AND  
CONTACTED MOVING VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

1  
50

CASE VEHICLE AND  
CONTACTED STOPPED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
51

STOPPED CASE VEHICLE AND  
CONTACTED VEHICLE

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
52

TOTAL NUMBER  
OF VEHICLES CONTACTED  
BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE  
(9) UNKNOWN

1  
53

ANY FIRE IN THIS CRASH  
(NOT JUST CASE VEHICLE)

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
54

HIGHEST POLICE INJURY  
SEVERITY CODE IN CRASH  
(NOT JUST CASE VEHICLE)

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(9) UNKNOWN

1  
55

## DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT  
(CASE VEHICLE)

- (0) NONE  
(1) YES  
(9) UNKNOWN/NOT REPORTED/  
NO DRIVER

0  
56

DRIVER ALCOHOL BAC  
(CASE VEHICLE)

- (80) NO TEST  
(90) CHEMICAL TESTS, NO RESULTS  
(95) AUTOPSY, NO RESULTS  
(99) UNKNOWN

80  
57 58

WAS THERE MENTION OF DRIVER  
IMPAIRMENT FOR CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

0  
59

## LIST IMPAIRMENTS MENTIONED:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Post - CRASH DETAIL

MANNER CASE VEHICLE  
LEFT SCENE

- (1) DRIVEN  
(2) TOWED DUE TO DAMAGE  
(3) TOWED, NOT DUE TO DAMAGE  
(4) TOWED, REASON UNKNOWN  
(9) UNKNOWN

2  
60

# ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: Case vehicle (A) and vehicle (B) were  
traveling west, with vehicle (B) in the right lane and case  
vehicle (A) in the left lane. Vehicle (B) attempted to  
change lanes but the driver saw case vehicle (A) and steered to the right. Vehicle  
(B) rotated 180 degrees, went into the path of case vehicle (A). The front of case  
vehicle (A) struck the front of vehicle (B) in a offset mode.

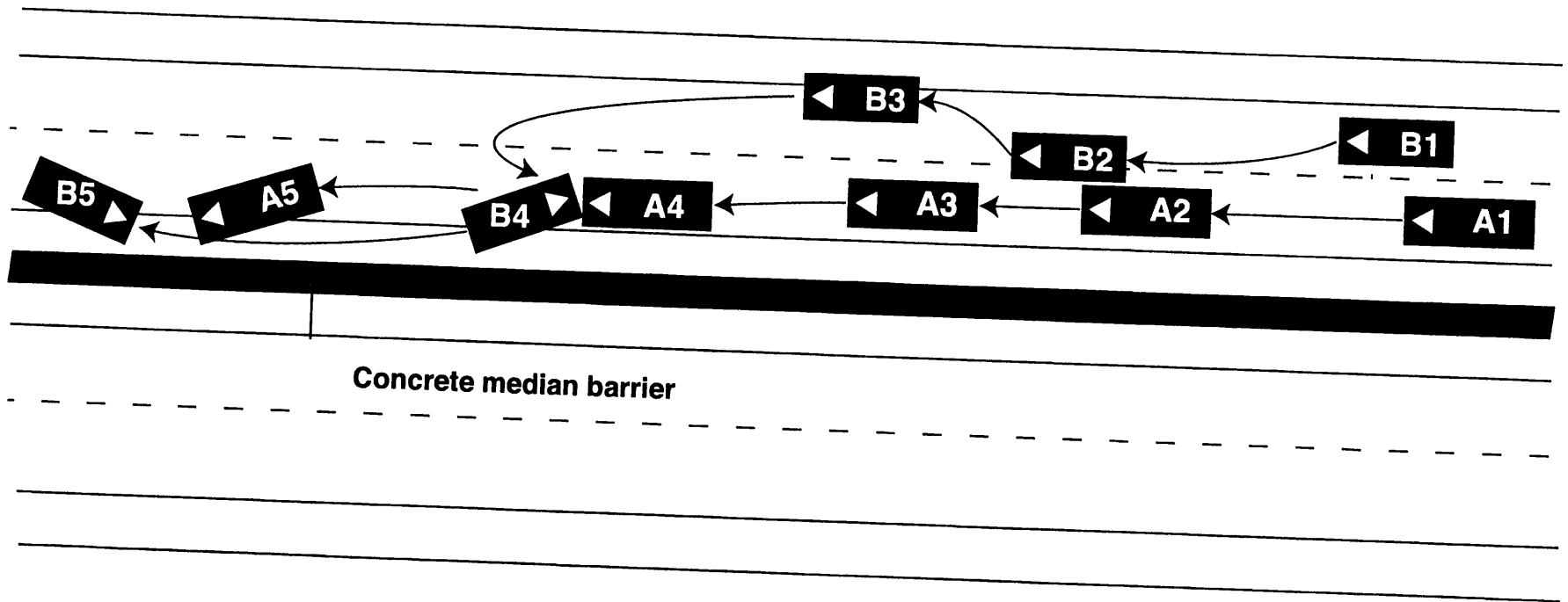
CASE VEHICLE (A): 1999 Volvo S-80

OTHER VEHICLE (B): 1997 Dodge Neon

THIRD VEHICLE (C): \_\_\_\_\_



NORTH



Concrete median barrier

Duplicate columns 1-8  
from the previous card.

Module 0 V Format 0 4  
9 10 11 12

OTHER VEHICLE OV-1

MAKE: Podge  
MODEL: Neon, 4-door sedan

CARGO: \_\_\_\_\_

VIN 3 B 3 E S 4 7 C 5 V T [REDACTED]  
13 29

MANUFAC/BODY CODE

9 4 6 2 7  
30 34

MAKE/MODEL CODE

0 7 4 6  
38

MODEL YEAR

1 9 9 7  
39 42

VEHICLE MASS (kg)

0 0 1 1 7 4  
43 48

IF SEPARATE REPORT WAS MADE,  
GIVE VEHICLE NUMBER

0

NUMBER OF OCCUPANTS  
(ENTER 9'S IF UNKNOWN)

0 1  
51

TRAVELING SPEED (km/h)

9 9 9  
54

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY  
CODE FOR THIS VEHICLE

- (0) O - NO INJURY  
(1) C - POSSIBLE INJURY  
(2) B - NON-INCAPACITATING INJURY  
(3) A - INCAPACITATING INJURY  
(4) K - FATAL  
(5) INJURED, SEVERITY UNKNOWN  
(6) DIED PRIOR TO ACCIDENT  
(7) NON-FATAL INJURY  
SEVERITY UNKNOWN  
(8) UNOCCUPIED VEHICLE  
(NOT APPLICABLE)  
(9) UNKNOWN

1  
55

#### VEHICLE TYPE

##### PASSENGER VEHICLE

- (02) LARGE  
(03) LIMOUSINE  
(17) PICKUP CAR  
(20) UNKNOWN PASSENGER VEHICLE BODY  
(24) SUB-MINI  
(25) MINI  
(26) SUB-COMPACT  
(27) COMPACT  
(28) INTERMEDIATE  
(29) FULL

2 7  
56 57

##### MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107".  
E.G. JEEP, BRONCO)  
(15) LARGE UTILITY (WHEELBASE MORE THAN 107".  
E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(17) PICKUP CAR WITH CANOPY/SHELL COVER  
(21) MOTOR HOME  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(23) PICKUP CAR WITH SLIDE-IN CAMPER  
(31) CHASSIS-MOUNTED CAMPER

##### TRUCK

- (11) VAN  
(12) PICKUP TRUCK  
(13) UNKNOWN LIGHT TRUCK  
(15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(16) PICKUP TRUCK WITH CANOPY/SHELL COVER  
(22) PICKUP TRUCK WITH SLIDE-IN CAMPER  
(30) UNKNOWN TRUCK TYPE  
(31) CHASSIS-MOUNTED CAMPER  
(33) DELIVERY VAN (WALK-IN)  
(34) STRAIGHT TRUCK  
(35) TRUCK-TRACTOR (BOBTAIL)  
(36) CHASSIS-CAB  
(37) UNKNOWN HEAVY TRUCK  
(38) TRACTOR & SEMI-TRAILER (SEMI)  
(39) TRUCK (OR SEMI) & FULL TRAILER(S)

##### BUS

- (40) UNKNOWN BUS TYPE  
(41) SCHOOL BUS  
(42) INTERCITY BUS (BETWEEN CITIES)  
(43) TRANSIT BUS (INTRACITY)  
(44) STREETCAR (ON TRACKS)  
  
(68) TRAIN (CARS)  
(69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)  
(999) UNKNOWN

264  
58 59 60



Duplicate columns 1-8  
from the previous card.

Module 0 V Format 0 2  
9 10 11 12

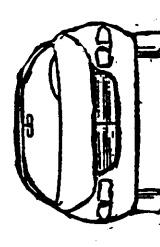
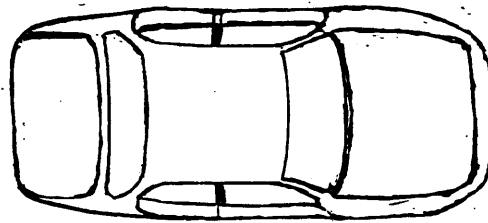
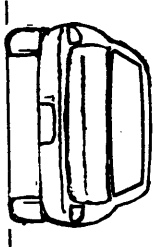
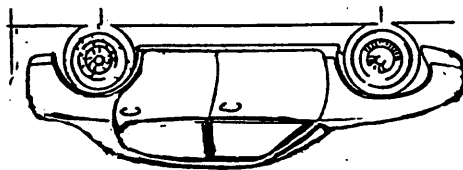
OTHER VEHICLE OV-2

BEST AVAILABLE COPY

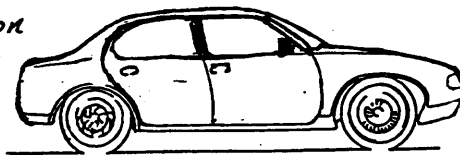
### ORIGINAL SPECIFICATIONS

Wheelbase	<u>264</u> cm	Front Overhang	<u>0</u> <u>8</u> <u>6</u> cm 22 24
Curb Weight	<u>1174</u> kg	Rear Overhang	<u>0</u> <u>8</u> <u>6</u> cm 25 27
Average Track Width	<u>1</u> <u>4</u> <u>6</u> cm 13 15	Undeformed End Width (UEW)	<u>1</u> <u>4</u> <u>0</u> cm 28 30
Overall Length	<u>4</u> <u>3</u> <u>6</u> cm 16 18	Engine Displacement	<u>2</u> <u>0</u> L 31 32
Overall Width (OAW)	<u>1</u> <u>7</u> <u>1</u> cm 19 21	Engine: # of Cylinders	<u>0</u> <u>4</u> 33 34

### VEHICLE DAMAGE



*This vehicle was  
not available for  
inspection.*



### FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

9 9 9 cm  
35 37

Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$

9 9 %  
38 39

Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

9 9 %  
40 41

Duplicate columns 1-8  
from the previous card.

Module V D Format 0 4  
9 10 11 12

# VEHICLE DESCRIPTION VD-1

MAKE: Volvo

CARGO: \_\_\_\_\_

MODEL: 580 T-6, 4-door sedan

VIN Y V 1 T S 9 0 D 4 X 1                       
13 29

MANUFAC/BODY CODE 9 5 2 2 8  
30 34

MAKE/MODEL CODE 2 0 5 2  
38

MODEL YEAR 1 9 9 9  
39 42

VEHICLE MASS (kg) 0 0 1 6 8 0  
43 48

ODOMETER (km)  
(ENTER 9'S IF UNKNOWN) 0 3 3 9 3 2  
(ENTER 8'S IF ELECTRONIC) 49 54

NUMBER OF OCCUPANTS 0 1  
(ENTER 9'S IF UNKNOWN) 56

TRAVELING SPEED (km/h) 9 9 9  
59

- (000) PARKED OR STOPPED  
(995) JUST STARTING UP  
(996) BACKING UP  
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)  
(998) SPEED EXCESSIVE (BUT UNKNOWN)  
(999) UNKNOWN

## VEHICLE TYPE

### PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR) 1 4  
(12) 2-DOOR SEDAN OR COUPE  
(ANY UPPER B-PILLAR)  
(13) 4-DOOR HARDTOP  
(14) 4-DOOR SEDAN  
(15) STATION WAGON  
(16) CONVERTIBLE  
(18) OTHER PASS. VEH.: \_\_\_\_\_  
(19) PASSENGER VEHICLE, TYPE UNKNOWN

### MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)  
(22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)  
(23) VAN, SIZE UNKNOWN  
(24) VAN, SMALL (MINI)  
(25) VAN, LARGE  
(29) MPV, TYPE UNKNOWN  
(30) MOTOR HOME

### TRUCK

- (31) PICKUP TRUCK, UNKNOWN  
(32) PICKUP TRUCK, SMALL (DOWNSIZED)  
(33) PICKUP TRUCK, LARGE  
(99) UNKNOWN

## STOLEN VEHICLE

- (0) NO  
(1) YES  
(8) NOT COLLECTED  
(9) UNKNOWN

8  
62

## BODY STRUCTURE

- (1) BODY & FRAME  
(2) UNITIZED  
(3) INTEGRAL-STUB FRAME  
(4) BODY & PLATFORM FRAME  
(E.G. VW BUG)  
(5) PARTIALLY UNITIZED  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

2  
63

## TRANSMISSION

- (0) NONE  
(1) AUTOMATIC  
(2) MANUAL  
(9) UNKNOWN

1  
64

## LOCATION OF TRANSMISSION SELECTOR LEVER

- (1) FLOOR  
(2) CONSOLE  
(3) COLUMN  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

3  
65

## STEERING

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
66

## BRAKES

- (1) POWER  
(2) MANUAL  
(9) UNKNOWN

1  
67

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

3  
68

WHEELBASE (cm)  
(999) Unknown

279  
76 77 78

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

2  
69

PLASTIC ANTI-LACERATIVE  
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0  
79

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

2  
71

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0  
72

ORIGINAL TYPE  
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: \_\_\_\_\_
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3  
73

EQUIPPED WITH ROLL BAR

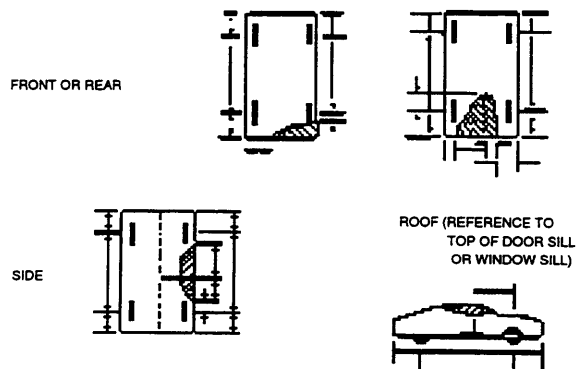
- (0) NO
- (1) YES
- (9) UNKNOWN

0  
74

TYPE OF ROOF

- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: \_\_\_\_\_
- (9) UNKNOWN

4  
75



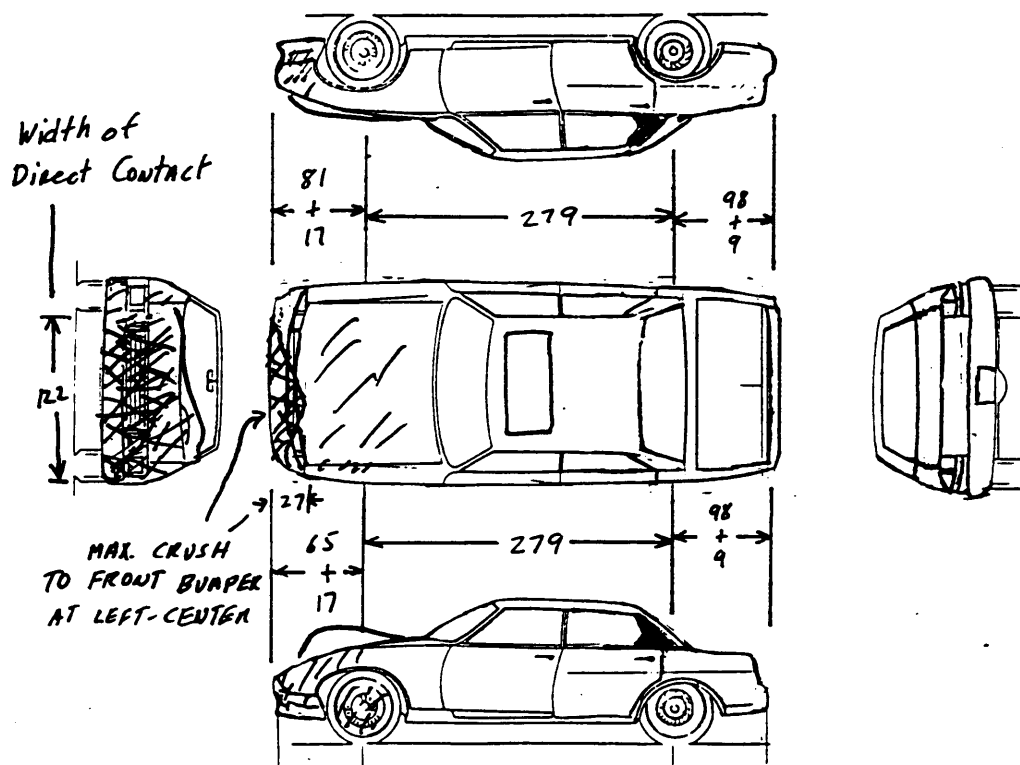
Duplicate columns 1-8  
from the previous card.Module V D Format 0 2  
9 10 11 12

## VEHICLE DESCRIPTION VD-3

## ORIGINAL SPECIFICATIONS

CANADIAN VEN. SPEC +  
[HTTP://NEW.VOLVOCARS.COM](http://new.volvocars.com)Wheelbase 279 cmFront Overhang 098 cm  
22 24Curb Weight 1680 kgRear Overhang 107 cm  
25 27Average Track Width 157 cm  
13 15Undeformed End Width (UEW) 146 cm  
28 30Overall Length 482 cm  
16 18Engine Displacement 2.8 L  
31 32Overall Width (OAW) 183 cm  
19 21Engine: # of Cylinders 06  
33 34

## VEHICLE DAMAGE



## FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more  
Enter % overlap or "99" for missing or N/A.Direct Damage Length (DDL) 122 cm  
35 37Front-End Overlap (Percent) =  $\frac{DDL}{UEW}$  84 %  
38 39Vehicle Overlap (Percent) =  $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$  77 %  
40 41

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 2  
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> 13	
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>027</u> 18 19 20	<u>999</u> 39 40 41
CDC #1	<u>12.FDEW.2</u> 21 27	<u>99.0000.0</u> 42 48
CDC #2	<u>98.0000.0</u> 28 34	<u>99.0000.0</u> 49 55

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 3  
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>8</u> 13	
IMPACT SPEED (km/h)	<u>    </u> 14 15 16	<u>    </u> 35 36 37
ESTIMATED BY	<u>    </u> 17	<u>    </u> 38
CRUSH (cm)	<u>    </u> 18 19 20	<u>    </u> 39 40 41
CDC #1	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 21 27	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 42 48
CDC #2	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 28 34	<u>    </u> - <u>    </u> - <u>    </u> - <u>    </u> 49 55

## CODES

### EVENT NUMBER

- (8) NOT APPLICABLE  
(9) UNKNOWN

### IMPACT SPEED

- (998) NOT APPLICABLE  
(999) UNKNOWN

### IMPACT SPEED ESTIMATOR

- (1) INVESTIGATOR  
(2) DRIVER  
(3) POLICE  
(4) "CRASH" PROGRAM  
(5) OTHER COMPUTER PROGRAM  
SPECIFY: \_\_\_\_\_  
(7) OTHER: \_\_\_\_\_  
(8) NOT APPLICABLE  
(NO VEHICLE/NO IMPACT)

### CRUSH

- (998) NOT APPLICABLE  
(NO VEHICLE/DAMAGE)  
(999) UNKNOWN

### CDC

- (9800000) NOT APPLICABLE  
(9900000) UNKNOWN

Duplicate columns 1-8  
from the previous card.

Module D A Format 0 1  
9 10 11 12

DAMAGE DA-2

### MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 0 2 7  
13 15

RIGHT SIDE 0 0 0  
16 18

REAR 0 0 0  
19 21

LEFT SIDE 0 0 0  
22 24

ROOF 0 0 0  
25 27

OTHER 0 0 0  
28 30

### CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER  
IS UNKNOWN, EVENT  
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE  
TO BE IN CHRONOLOGICAL ORDER? 1  
31

(0) NO  
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>1 1</u> 34	<u>2 7</u> 36
#2	<u>    </u> 37	<u>    </u> 39	<u>    </u> 41
#3	<u>    </u> 42	<u>    </u> 44	<u>    </u> 46
#4	<u>    </u> 47	<u>    </u> 49	<u>    </u> 51
#5	<u>    </u> 52	<u>    </u> 54	<u>    </u> 56
#6	<u>    </u> 57	<u>    </u> 59	<u>    </u> 61
#7	<u>    </u> 62	<u>    </u> 64	<u>    </u> 66

# CODES FOR IMPACT CONFIGURATION

## FRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

## OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

## ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

## UNKNOWN

- (99) IMPACT TYPE UNKNOWN

## CODES FOR VEHICLE/OBJECT CONTACTED

## VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

## PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

## MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",  
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",  
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

## TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

## BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

## MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

## SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

## OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING  
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM  
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE  
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES





Duplicate columns 1-8  
from the previous card.

Module C R Format 0 1  
9 10 11 12

# CRASH RECONSTRUCTION CR-1

for  $\Delta V$

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13	-	<u>47</u>	
$\Delta V$ (km/h) TOTAL	<u>9</u> — 14 15 16	<u>9</u> — 32 33 34	<u>48</u> <u>49</u> <u>50</u>	<u>66</u> <u>67</u> <u>68</u>
LONGITUDINAL*	<u>9</u> — 17 20	<u>9</u> — 35 38	<u>51</u> — — <u>54</u>	<u>69</u> — — <u>72</u>
LATERAL*	<u>9</u> — 21 24	<u>9</u> — 39 42	<u>55</u> — — <u>58</u>	<u>73</u> — — <u>76</u>
*NOTE: THESE $\Delta V$ COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = $\pm 010$ -7 km/h = $-007$				
ENERGY DISSIPATED BY CRUSH (kj)	<u>9</u> — 25 28	<u>9</u> — 43 46	<u>59</u> — — <u>62</u>	<u>77</u> — — <u>80</u>
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>12</u> 29 30		<u>63</u> <u>64</u>	
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL				
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE	<u>5</u> 31		<u>65</u>	
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: _____				

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 2  
9 10 11 12

# CRASH RECONSTRUCTION CR-2

for EBS

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	<u>1</u> 13			<u>47</u>		
EBS (km/h) TOTAL	<u>032</u> 14 15 16	<u>9 -</u> 32 33 34		<u>    </u> 48 49 50	<u>    </u> 66 67 68	
LONGITUDINAL*	<u>-031</u> 17 20	<u>9 -</u> 35 38		<u>    </u> 51 54	<u>    </u> 69 72	
LATERAL*	<u>+006</u> 21 24	<u>9 -</u> 39 42		<u>    </u> 55 58	<u>    </u> 73 76	
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = <u>± 0 1 0</u> -7 km/h = <u>- 0 0 7</u>						
ENERGY DISSIPATED BY CRUSH (kj)	<u>0070</u> 25 28	<u>9 -</u> 43 46		<u>    </u> 59 62	<u>    </u> 77 80	
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u> 29 30			<u>    </u> 63 64		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY	<u>2</u> 31			<u>    </u> 65		
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: <u>WIN SMASH</u>						

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 3  
9 10 11 12

# CRASH RECONSTRUCTION CR-3

## NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

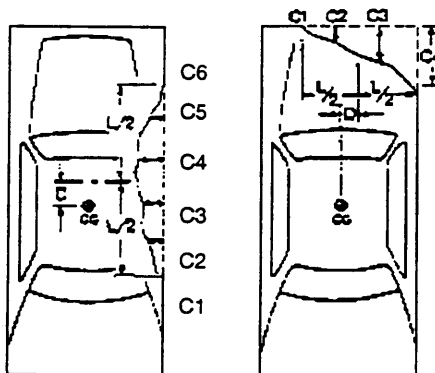
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	122 cm at of Lt. BC	Fl. bumper BC to BC

## PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



UEN = 146

DL 122

UDL 24

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>	±D
		Length (DDL)	Max Crush								
1	1	122	30	146	37	28	30	20	13	17	-12
			-3		-17	-7	-3	-3	-7	-17	
1	1	122	027	146	016	021	027	017	006	000	-012
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.

Module C R Format 0 4  
9 10 11 12

# CRASH RECONSTRUCTION CR-4

- NOTES:
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
  2. MEASURE  $C_1$  TO  $C_6$  FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
  3.  $D$  IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
  4. USE THE CENTER OF THE WHEELBASE AS THE CG.

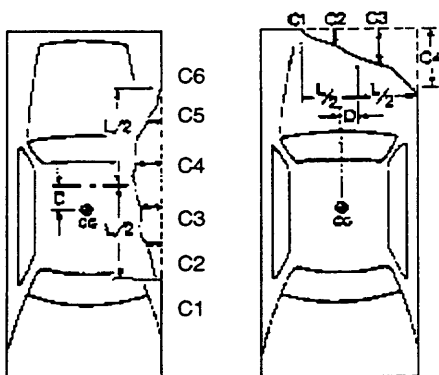
OTHER VEHICLE  
LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other \_\_\_\_\_
- (9) Unknown



DL \_\_\_\_\_

UDL \_\_\_\_\_

## CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	$C_1$	$C_2$	$C_3$	$C_4$	$C_5$	$C_6$	$\pm D$
		Length (DDL)	Max Crush								
1	9	444	444	444	444	444	444	444	444	444	+444
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Duplicate columns 1-8  
from the previous card.

Module W T Format 0 1  
9 10 11 12

## WHEELS AND TIRES

WT-1

### WHEELS--DAMAGED

- (0) NO  
(1) YES  
(9) UNKNOWN

LF 0  
13

RF 0

RR 0

LR 0  
16

### TIRE TREAD TYPE

- (1) REGULAR  
(2) SNOW  
(3) SLICKS  
(4) ALL WEATHER (MS)  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 4  
17

RF 4

RR 4

LR 4  
20

### CARCASS CONSTRUCTION

- (1) BIAS  
(2) BELTED BIAS  
(3) RADIAL  
(4) ELLIPTICAL  
(5) HI PRESSURE SPARE  
(6) SPACE SAVER SPARE  
(7) OTHER: \_\_\_\_\_  
(9) UNKNOWN

LF 3  
21

RF 3

RR 3

LR 3  
24

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF 22550R17  
25

RF 35

RR 45

LR 55

IF VEHICLE IS EQUIPPED WITH DUAL  
WHEELS, COMPLETE FOR OUTER WHEELS  
AND MAKE NOTES ON INNER WHEELS.

NOTES: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Duplicate columns 1-8  
from the previous card.

Module F T Format 0 1  
9 10 11 12

# FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL  (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 13	AUXILIARY TANK TYPE  (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>8</u> 21
MAIN TANK LOCATION	<u>3 2 2</u> 14 16	AUXILIARY TANK LOCATION	<u>8 8 8</u> 22 24
MAIN FILLER CAP LOCATION	<u>1 1 3</u> 17 19	AUXILIARY FILLER CAP LOCATION	<u>8 8 8</u> 25 27
MAIN TANK MATERIAL	<u>1</u> 20	AUXILIARY TANK MATERIAL	<u>8</u> 28

## TANK AND FILLER CAP LOCATION CODES

### FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

### THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

## TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8  
from the previous card.Module F L Format 0 1  
9 10 11 12**FUEL LEAKAGE FL-1****DID FUEL LEAKAGE RESULT FROM A CRASH EVENT**(0) NO KNOWN LEAKAGE SKIP PAGE.0  
13(1) YES COMPLETE PAGE.

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>    </u> <u>    </u> 14 15	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 21
#2	<u>    </u> <u>    </u> 22 23	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 29
#3	<u>    </u> <u>    </u> 30 31	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 37
#4	<u>    </u> <u>    </u> 38 39	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 45
#5	<u>    </u> <u>    </u> 46 47	<u>    </u>	<u>    </u>	<u>    </u>	<u>    </u> <u>    </u>	<u>    </u> 53

**I LEAKING COMPONENT****TANK AREA**

- (11) MAIN FUEL TANK (INCLUDING  
VAPOR RECOVERY DOME)  
(12) AUXILIARY FUEL TANK  
(13) MAIN TANK FILLER TUBE  
(14) MAIN TANK CAP (GAS CAP)  
(15) AUXILIARY TANK FILLER TUBE  
(16) AUXILIARY TANK CAP (GAS CAP)  
(19) TANK AREA, DETAILS UNKNOWN

**DELIVERY SYSTEM**

- (21) FUEL FEED LINE (MAIN TANK  
TO FUEL PUMP)  
(22) FUEL FEED LINE (AUXILIARY  
TANK TO FUEL PUMP)  
(23) FUEL RETURN LINE (FUEL  
PUMP TO TANK)  
(24) INLINE FUEL FILTER  
(25) FUEL LINE (PUMP TO  
CARBURETOR OR INJECTOR PUMP)  
(26) CARBURETOR TO INJECTOR PUMP  
(27) FUEL PUMP  
(29) DELIVERY SYSTEM, DETAILS  
UNKNOWN

**EVAPORATIVE EMISSION CONTROL SYSTEM**

- (31) ATMOSPHERIC VENT PIPE  
(NON-EEC EQUIPPED)  
(32) EEC PIPE (VAPOR CANISTER  
TO CARBURETOR)

**EEC SYSTEM (CONTINUED)**

- (33) VAPOR RECOVERY HOSES  
(CANISTER TO CARBURETOR)  
(34) LIQUID-VAPOR SEPARATOR  
(UNLESS PART OF TANK)  
(35) CANISTER  
(39) EEC SYSTEM, DETAILS  
UNKNOWN  
(49) ENGINE COMPARTMENT,  
COMPONENT UNKNOWN  
(99) COMPONENT UNKNOWN

**II COMPONENT SOURCE**

- (1) OEM  
(2) AFTER MARKET  
(9) UNKNOWN

**III TYPE OF DAMAGE**

- (1) DENTED/CRUSHED  
(2) PUNCTURED  
(3) RUPTURED  
(4) SEVERED/GROSS TEARS  
(5) DISCONNECTED/DEFEATED  
(9) UNKNOWN

**IV SEVERITY OF DAMAGE**

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(4) DISCONNECTED/DEFEATED  
(9) UNKNOWN

**V LOCATION OF LEAK**FIRST DIGIT  
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL  
(2) P, BETWEEN COWL &  
REAR BULKHEAD  
(3) B, BEHIND REAR BULKHEAD  
(4) Y, F, & P  
(5) Z, P, & B  
(6) D, DISTRIBUTED  
(F, P & B)  
(9) UNKNOWN

SECOND DIGIT  
(LATERAL LOCATION)

- (1) L, LEFT  
(2) C, CENTER  
(3) R, RIGHT  
(4) Y, LEFT CENTER (L & C)  
(5) Z, RIGHT CENTER (R & C)  
(6) D, DISTRIBUTED  
(F, P & B)  
(9) UNKNOWN



Duplicate columns 1-8  
from the previous card.

Module F R Format 0 1  
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

0  
13

(1) YES COMPLETE PAGE.

DID FIRE START IN CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
14

SEVERITY OF FIRE DAMAGE

- (1) MINOR  
(2) MODERATE  
(3) SEVERE  
(9) UNKNOWN

      
16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE  
(2) SLOW/MODERATE  
(9) UNKNOWN

      
15

DID AN INJURY TO CASE  
VEHICLE OCCUPANT RESULT FROM  
FIRE IN OR ON CASE VEHICLE?

- (0) NO  
(1) YES  
(9) UNKNOWN

      
17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8  
from the previous card.

Module E D Format 0 1  
9 10 11 12

## EXTERIOR DAMAGE

ED-1

### HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

HOOD LATCH(ES)- -RELEASED

0

13

-DAMAGED

1

14

*primed open*

-JAMMED

1

15

HOOD HINGES- -LEFT, DAMAGED

0

16

-LEFT, SEPARATED  
(COMPLETE)

8

17

-RIGHT, DAMAGED

0

18

-RIGHT, SEPARATED  
(COMPLETE)

1

19

HOOD REMAINED ON VEHICLE

1

20

REAR EDGE OF HOOD- -ELEVATED

1

21

-CONTACTED WINDSHIELD

0

22

-PENETRATED WINDSHIELD

8

23

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
- (2) COWL AREA
- (3) SIDE
- (8) NOT APPLICABLE
- (9) UNKNOWN

1

24

### STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
- (1) FLEXIBLE MATERIAL
- (2) POT
- (3) SINGLE U-JOINT
- (4) DOUBLE U-JOINT
- (5) FLEXIBLE CABLE
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OTHER: \_\_\_\_\_
- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN, IF EQUIPPED

9

26

COUPLING- -DAMAGED

9

27

(USE CODES  
FROM HOOD  
PERFORMANCE)

-SEPARATED  
(COMPLETE)

9

28

### ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
- (01) - (07) SEE UNITS ON PAGE ED-2
- (88) NOT COLLECTED
- (97) OTHER: \_\_\_\_\_
- (98) EQUIPPED, TYPE UNKNOWN
- (99) UNKNOWN IF EQUIPPED

8

8

29

30

ORIGINAL LENGTH (mm)

F (OR H): \_\_\_\_\_

TELESCOPED LENGTH (mm)

G: \_\_\_\_\_

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO  
COMPRESSION
- (992) COMPRESSED, AMOUNT  
UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT  
EQUIPPED)
- (999) UNKNOWN

8

8

8

31

32

33

### ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
- (1) YES
- (9) UNKNOWN

0

25

## LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 34

## LEFT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION  
 (2) DOOR-LATCH SEPARATION  
 (3) LATCH-STRIKER SEPARATION  
 (4) STRIKER-PILLAR SEPARATION  
 (5) BODY DISTORTION  
 (6) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

## LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 35

LOWER

0  
 36

-B-PILLAR, UPPER

0  
 37

LOWER

0  
 38

-C-PILLAR, UPPER

0  
 39

LOWER

0  
 40

-D-PILLAR, UPPER

0  
 41

LOWER

8  
 42

-FRONT

0  
 43

-REAR

0  
 44

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 45

-REAR

0  
 46

## REAR DOOR

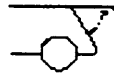
## REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



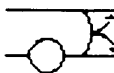
Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR  
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

## OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE  
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

## DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

Q  
47

8  
48

8  
49

## OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA  
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

D  
50

## SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8  
51

## TRAILER HITCH TYPE

- (0) NO HITCH

## BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

## OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

Q  
52

TRAILER TYPE  
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: \_\_\_\_\_
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

8  
53

## RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 54

## RIGHT DOORS

HOW DID DOORS  
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION  
 (02) DOOR-LATCH SEPARATION  
 (03) LATCH-STRIKER SEPARATION  
 (04) STRIKER-PILLAR SEPARATION  
 (05) BODY DISTORTION  
 (06) COMBINATION OF ABOVE  
 (CIRCLE EACH)  
 (07) OPENED, REASON UNKNOWN  
 (11) VAN RIGHT-REAR DOOR OPENED  
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

## RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO  
 (1) YES  
 (4) NO SEPARATION, BUT DAMAGED  
 (8) NOT APPLICABLE (NOT EQUIPPED)  
 (9) UNKNOWN

-A-PILLAR, UPPER

0  
 55

LOWER

0  
 56

-B-PILLAR, UPPER

0  
 57

LOWER

0  
 58

-C-PILLAR, UPPER

0  
 59

LOWER

0  
 60

-D-PILLAR, UPPER

0  
 61

LOWER

8  
 62

-FRONT

00  
 63 64

-REAR

00  
 65 66

## DOORS JAMMED CLOSED-

USE CODES:

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE (NO DOOR)  
 (9) UNKNOWN

-FRONT

0  
 67

-REAR

0  
 68

## VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR  
 (1) TRACK (SLIDING) - RIGHT SIDE  
 (2) SINGLE-HINGED - RIGHT SIDE  
 (3) DOUBLE-HINGED - RIGHT SIDE  
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE  
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE  
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE  
 (7) TRACK AND HINGED COMBINATION  
 (8) NOT APPLICABLE (NOT A VAN)  
 (9) UNKNOWN

8  
 69

## WINDSHIELD DAMAGE

## WINDSHIELD CRACKED

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 70

WINDSHIELD BROKEN  
(PLASTIC INTERLAYER TORN)

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 71

CRACKED OR BROKEN  
BY OCCUPANT CONTACT

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

8  
 72

## EXTENT OF BOND SEPARATION

- (0) NONE  
 (1) 1 - 20%  
 (2) 21 - 40  
 (3) 41 - 60  
 (4) 61 - 80  
 (5) 81 - 99  
 (6) TOTAL  
 (7) SEPARATED, AMOUNT  
 UNKNOWN  
 (8) NOT APPLICABLE  
 (9) UNKNOWN

0  
 73

## WINDSHIELD MARK ON CASE VEHICLE:

VOLVO  
 PILKINGTON

## WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED  
 (98) NOT APPLICABLE (NO WINDSHIELD)  
 (99) UNKNOWN

92  
 74 75

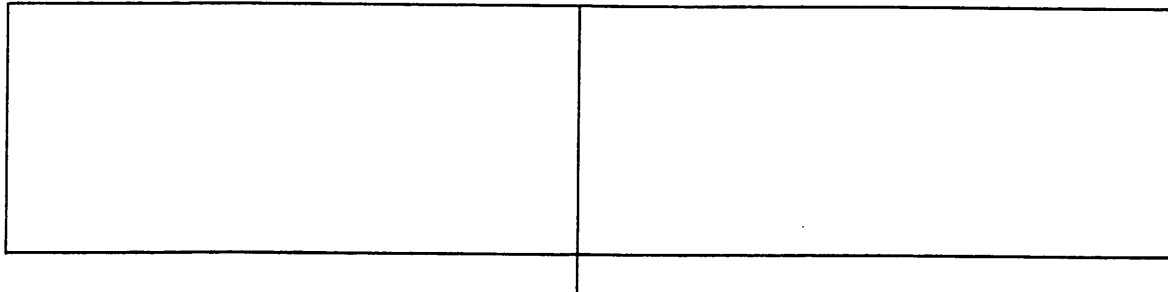
## ROOF

DID T-ROOF/SUN ROOF OPEN  
DURING COLLISION?

- (0) NO  
 (1) YES  
 (8) NOT APPLICABLE  
 (NOT A T-ROOF OR SUN ROOF)  
 (9) UNKNOWN

0  
 76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



L

C

R

## STEERING WHEEL

### STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0  
13

### NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

4  
14

### STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

0  
15

### STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE  
NORMAL TOP OF THE WHEEL POINTED  
WHEN THE COLLISION OCCURRED?

#### EXAMPLES

O'CLOCK = 1 2

O'CLOCK = 0 2



(NORMAL STRAIGHT  
AHEAD)



O'CLOCK = 12

(99) UNKNOWN

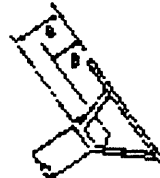
## STEERING WHEEL ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70 - 74  
CHALLENGER, 70 - 74  
CAPRI, 71 - 77

(2) EXAMPLES:



OMNI, 78 -  
HORIZON, 78 -

## STEERING COLUMN OPTIONS

### TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

3  
16

### SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
17

### TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

0  
18

### TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: \_\_\_\_\_
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

8  
19

### ORIGINAL DIMENSION (mm)

A: \_\_\_\_\_

### DAMAGE DIMENSION (mm)

B: \_\_\_\_\_

### DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT  
COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8 8 8  
20 22

# STEERING COLUMN ENERGY ABSORBING DEVICE

TYPE OF DEVICE \* (IF 27 OR 28)

- (00) NOT EQUIPPED  
(88) NOT COLLECTED  
(99) UNKNOWN

ORIGINAL LENGTH (mm)

C: \_\_\_\_\_

COMPRESSED LENGTH (mm)

D: \_\_\_\_\_

BRACKET DEFLECTION (IF CODE 36, 48,  
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE:  $\pm 10$ )

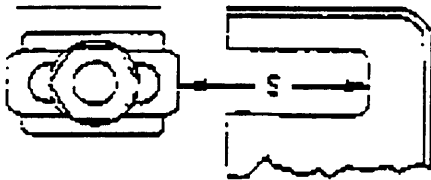
- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
COMPRESSION  
(992) COMPRESSED, AMOUNT UNKNOWN  
(993) DEVICE EXTENDED  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

\* (ADD A &amp; B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT &amp; RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED  
(991) NOT MEASURED/NO APPARENT  
SEPARATION  
(992) SEPARATED, AMOUNT UNKNOWN  
(997) UNABLE TO BE MEASURED  
(998) NOT APPLICABLE (NOT EQUIPPED)  
(999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION  
(1) UPWARD APPARENT ROTATION  
(2) DOWNWARD APPARENT ROTATION  
(9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION  
(1) LEFT APPARENT ROTATION  
(2) RIGHT APPARENT ROTATION  
(9) UNKNOWN

## STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE  
(1) OCCUPANT CONTACT  
(2) AIRBAG  
(3) OTHER \_\_\_\_\_  
(9) UNKNOWN

8	8
23	24

8	8	8
25	26	27

8	8	8
28	29	30

0
31

0
32





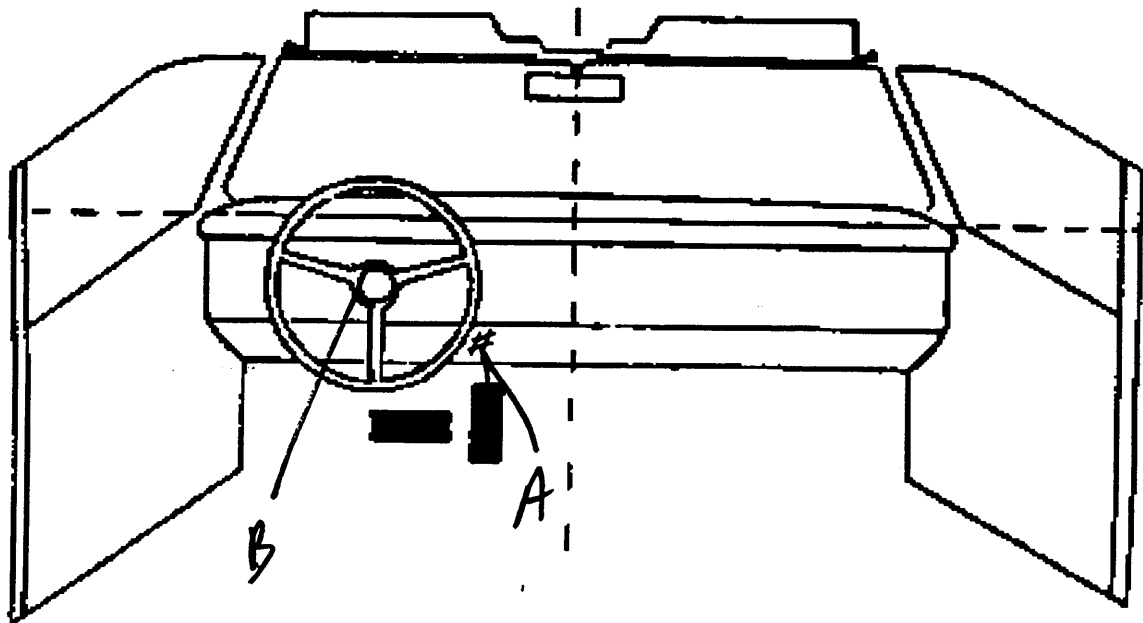
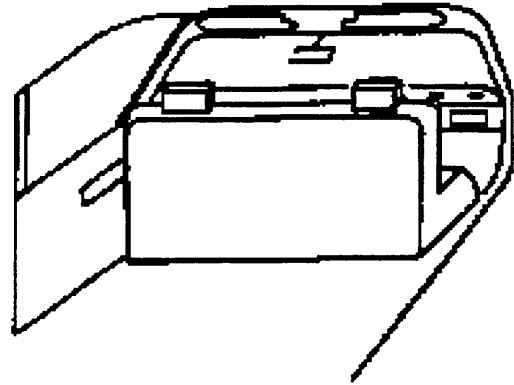
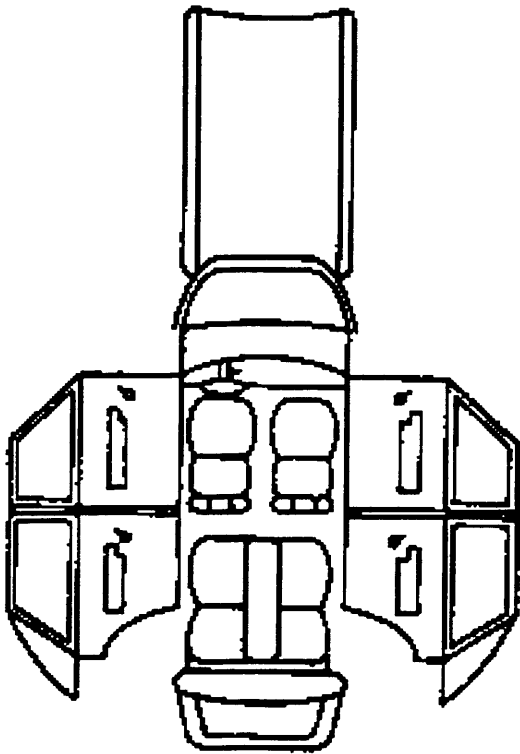
INTRUSION IT-1

[illegible]

## OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee BOLSTER	DR	Rt Leg	Scuff mark	1
B	SW HUB	DR	Hand/Arm	MARK - NO damage possible burn	3
C					
D					
E					
F					
G					
H					
I					
J					

VEHICLE OCCUPANT CONTACT DIAGRAM



## INTRUSION IT-3

## CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

## FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

## SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- |                          |                 |                         |   |
|--------------------------|-----------------|-------------------------|---|
| (1) LEFT                 | (3) RIGHT       | .....                   | INDIVIDUAL SEAT                               |
| (1) LEFT                 | (2) CENTER      | (3) RIGHT               | ..... BENCH: FULL WIDTH 3 PASSENGER           |
| (1) LEFT                 | (2) LEFT CENTER | (6) RIGHT CENTER        | (3) RIGHT ..... BENCH: FULL WIDTH 4 PASSENGER |
| (1) LEFT                 | (2) CENTER      | (5) RIGHT & AISLE SPACE | ..... BENCH: PARTIAL WIDTH, LEFT              |
| (0) LEFT & SPACE         | (2) CENTER      | (5) RIGHT & SPACE       | ..... BENCH: PARTIAL WIDTH, CENTERED          |
| (4) ENTIRE VEHICLE WIDTH | .....           | CARGO AREA              |   |

## EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR  
5 PASSENGERS

X	X	11	13
X	X	X	21 22 23

VAN  
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X 41 42 46 43

## CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)  
 (Y) Y-AXIS (LATERAL)  
 (Z) Z-AXIS (VERTICAL)

## CODES FOR COLUMNS G, H, I &amp; J, OCCUPANT &amp; INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT



## CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

*NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.*

## INDIVIDUAL COMPONENT

## INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/  
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE  
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (*DESCRIBE*)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

## EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER  
COMPARTMENT BUT PART  
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (*E.G. SPARE TIRE,  
JACK. DESCRIBE.*)
- (49) UNKNOWN EXTERNAL OBJECT

## GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

*USE ONLY IF ALL THESE COMPONENTS  
INTRUDED INTO A SINGLE OCCUPANT SPACE.*

- (50) WINDSHIELD HEADER
  - A-PILLAR
  - ROOF SIDE RAIL
- (51) INSTRUMENT PANEL
  - A-PILLAR
  - DOOR PANEL
- (52) INSTRUMENT PANEL
  - A-PILLAR
  - WINDSHIELD HEADER
- (53) DOOR PANEL
  - B-PILLAR
  - ROOF RAIL
- (54) DOOR PANEL
  - A-PILLAR
  - ROOF RAIL
- (55) INSTRUMENT PANEL
  - FLOOR PAN
  - A-PILLAR
  - DOOR FRAME
- (56) ROOF RAIL
  - A-PILLAR
  - B-PILLAR
  - WINDOW FRAME
- (57) ROOF RAIL
  - A-PILLAR
  - B-PILLAR
  - C-PILLAR
  - DOOR PANEL
- (58) ROOF
  - ROOF RAIL
  - WINDOW FRAME
  - DOOR PANEL
- (59) BACKLIGHT HEADER
  - ROOF
  - C-PILLAR
  - THIRD SEAT-BACK
- (60) ROOF
  - ROOF RAIL
  - A-PILLAR
  - B-PILLAR
  - C-PILLAR
  - WINDOW FRAME
  - DOOR PANEL
  - FLOOR PAN
- (61) INSTRUMENT PANEL
  - TOE PAN
  - WINDSHIELD HEADER
  - A-PILLAR
  - ROOF RAIL
  - WINDOW FRAME
  - DOOR PANEL
  - ROOF
- (62) ROOF
  - ROOF RAIL
  - C-PILLAR
  - WINDOW FRAME
  - FLOOR PAN
  - SECOND SEAT
  - DOOR PANEL
- (63) ROOF RAIL
  - ROOF
  - B-PILLAR
  - WINDOW FRAME
  - FLOOR PAN
  - DOOR PANEL
  - SECOND SEAT
  - FRONT SEAT
- (64) ROOF RAIL
  - ROOF OR CONVERTIBLE TOP
  - A-PILLAR
  - B-PILLAR
  - WINDOW FRAME
  - WINDOW HEADER
- (65) WINDSHIELD
  - WINDSHIELD HEADER
  - ROOF SIDE RAIL
- (66) WINDSHIELD
  - WINDSHIELD HEADER
  - A-PILLAR
- (98) NOT APPLICABLE
- (99) UNKNOWN

Duplicate columns 1-8 from the previous card.				Module <u>1</u> <u>T</u> <u>9</u> <u>10</u>				Format <u>0</u> <u>1</u> <u>11</u> <u>12</u>				<b>INTRUSION IT-5</b>																																																																																																			
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NOTE: IF NO SIDE DOOR INTRUSION, SKIP REMAINDER OF PAGE.  <b>SIDE DOOR INTRUSION RESULTED FROM</b>  <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">INTRUSION NUMBER</td> <td style="width: 15%;">CAUSE</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td></td> <td colspan="4" style="text-align: center;">CODES FOR CAUSE:</td> </tr> <tr> <td><u>13</u></td> <td><u>15</u></td> <td>(1)</td> <td>DIRECT</td> <td></td> <td></td> </tr> <tr> <td><u>16</u></td> <td><u>18</u></td> <td>(2)</td> <td>INDUCED</td> <td></td> <td></td> </tr> <tr> <td><u>19</u></td> <td><u>21</u></td> <td>(9)</td> <td>UNKNOWN</td> <td></td> <td></td> </tr> </table>				INTRUSION NUMBER	CAUSE							CODES FOR CAUSE:				<u>13</u>	<u>15</u>	(1)	DIRECT			<u>16</u>	<u>18</u>	(2)	INDUCED			<u>19</u>	<u>21</u>	(9)	UNKNOWN			<b>IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED DOOR INTRUSION, CODE COMPONENT</b>  <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">INTRUSION NUMBER</td> <td style="width: 15%;">DAMAGED COMPONENT 1</td> <td style="width: 15%;">DAMAGED COMPONENT 2</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">CODES FOR COMPONENTS</td> </tr> <tr> <td>A</td> <td><u>22</u> <u>23</u></td> <td><u>    </u></td> <td><u>25</u></td> <td></td> <td>(0) NONE</td> </tr> <tr> <td>B</td> <td><u>26</u> <u>27</u></td> <td><u>    </u></td> <td><u>29</u></td> <td></td> <td>(1) A-PILLAR</td> </tr> <tr> <td>C</td> <td><u>30</u> <u>31</u></td> <td><u>    </u></td> <td><u>33</u></td> <td></td> <td>(2) B-PILLAR</td> </tr> <tr> <td>D</td> <td><u>34</u> <u>35</u></td> <td><u>    </u></td> <td><u>37</u></td> <td></td> <td>(3) C-PILLAR</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(4) LATCH/STRIKER</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(5) HINGES</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(7) OTHER: <u>    </u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(8) NOT APPLICABLE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(9) UNKNOWN</td> </tr> </table>												INTRUSION NUMBER	DAMAGED COMPONENT 1	DAMAGED COMPONENT 2									CODES FOR COMPONENTS	A	<u>22</u> <u>23</u>	<u>    </u>	<u>25</u>		(0) NONE	B	<u>26</u> <u>27</u>	<u>    </u>	<u>29</u>		(1) A-PILLAR	C	<u>30</u> <u>31</u>	<u>    </u>	<u>33</u>		(2) B-PILLAR	D	<u>34</u> <u>35</u>	<u>    </u>	<u>37</u>		(3) C-PILLAR						(4) LATCH/STRIKER						(5) HINGES						(7) OTHER: <u>    </u>						(8) NOT APPLICABLE						(9) UNKNOWN
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Module 1 T Format 0 2  
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INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).  
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

**INTRUSIONS** CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.  
CODES FOR B, F, G, H, I, J ON PAGE IT-3 -  
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0</u> <u>8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
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<u>1</u> <u>1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1</u> <u>2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
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<u>1</u> <u>4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
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<u>2</u> <u>3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
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Module 1 D Format 0 1  
9 10 11 12

# INTERIOR DAMAGE

ID-1

## CODES:

- (0) NO  
(1) YES  
(3) NO, and OCCUPANT CONTACT

- (4) YES, and OCCUPANT CONTACT  
(8) NOT APPLICABLE  
(9) UNKNOWN

	LEFT	RIGHT				
<b>SIDES</b>			<b>FRONT</b>		<b>INSTRUMENT PANEL</b>	
FRONT DOOR	<u>0</u> 13	<u>0</u> 14	FOOT CONTROLS	<u>0</u> 45	UPPER PANEL	<u>0</u> 55
FRONT HARDWARE	<u>0</u> 15	<u>0</u> 16	IGNITION KEYS	<u>0</u> 46	MID PANEL	<u>0</u> 56
FRONT ARMREST	<u>0</u> 17	<u>0</u> 18	REAR VIEW MIRROR	<u>0</u> 47	LOWER PANEL	<u>3</u> 57
FRONT GLASS	<u>0</u> 19	<u>0</u> 20	SUNVISOR/FITTINGS	<u>0</u> 48	ASHTRAY	<u>0</u> 58
REAR DOOR AREA	<u>0</u> 21	<u>0</u> 22	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES		CONTROL KNOBS & LEVERS	<u>0</u> 59
REAR HARDWARE	<u>0</u> 23	<u>0</u> 24	WINDSHIELD TOP MOLDINGS	<u>0</u> 49	GLOVE COMPARTMENT AREA	<u>0</u> 60
REAR ARMREST	<u>0</u> 25	<u>0</u> 26	LEFT A-PILLAR (UPPER OR LOWER)	<u>0</u> 50	INSTRUMENTS	<u>0</u> 61
REAR GLASS	<u>0</u> 27	<u>0</u> 28	RIGHT A-PILLAR (UPPER OR LOWER)	<u>0</u> 51	PARKING BRAKE RELEASE	<u>0</u> 62
ROOF SIDE RAIL	<u>0</u> 29	<u>0</u> 30	CENTER CONSOLE	<u>0</u> 52	PARKING BRAKE PEDAL	<u>0</u> 63
B-PILLAR	<u>0</u> 31	<u>0</u> 32	TRANSMISSION SELECTOR LEVER	<u>0</u> 53	A/C OR UPPER VENT OUTLETS	<u>0</u> 64
C-PILLAR	<u>0</u> 33	<u>0</u> 34	RIM, HORN, SPOKE	<u>0</u> 54	HEATER OR A/C DUCTS	<u>0</u> 65
D-PILLAR	<u>0</u> 35	<u>0</u> 36			RADIO	<u>0</u> 66
HEADLINING	<u>0</u> 37	<u>0</u> 38			OTHER: * _____	<u>8</u> 67
ROOF STRUCTURE	<u>0</u> 39	<u>0</u> 40				
T-ROOF/SUN ROOF	<u>0</u> 41	<u>0</u> 42				
OTHER: * _____	<u>8</u> 43	<u>8</u> 44				
					<b>REAR</b>	
					WINDOW	<u>0</u> 68
					WINDOW HEADER	<u>0</u> 69
					<b>CONSOLES</b>	
					VERTICAL	<u>0</u> 70
					ROOF	<u>0</u> 71

\* MORE THAN ONE ITEM MAY BE NOTED.

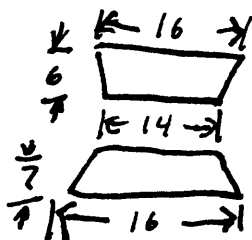
Duplicate columns 1-8 from the previous card.		Module <u>S</u> <u>T</u> Format <u>0</u> <u>2</u> 9 10 11 12		SEATS		ST-1	
<b>FRONT SEAT</b>		DRIVER	PASSENGER	<b>FRONT SEAT-BACK</b>		DRIVER	PASSENGER
<b>TYPE OF FRONT SEAT</b> (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14	<u>05</u> 15 16	<b>SEAT-BACK TYPE</b> (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 30	<u>3</u> 31
<b>TYPE OF SEAT MOUNT</b> (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17	<u>1</u> 18	<b>SEAT-BACK LOCK TYPE</b> (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>3</u> 32	<u>3</u> 33
<b>SWIVEL MECHANISM EQUIPPED</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19	<u>0</u> 20	<b>LOCKS HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	<u>1</u> 35
<b>ORIGINAL EQUIPMENT SEATS</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21	<u>1</u> 22	<b>RECLINER MECHANISM HELD</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	<u>1</u> 37
<b>CONTACT OF SEAT BY REAR OCCUPANT</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23	<u>8</u> 24	<b>HEAD RESTRAINT</b> <b>HEAD RESTRAINT TYPE</b> (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 38	<u>1</u> 39
<b>FRONT SEAT DAMAGE</b> (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 25	<u>0</u> 26	<b>REMOVED PRE-CRASH</b> (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 40	<u>0</u> 41
<b>CENTER ARMREST DAMAGED</b> (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>0</u> 27		<b>ADJUSTMENT AT CRASH</b> (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>2</u> 42	<u>2</u> 43
<b>FRONT SEAT ROTATION</b> (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 28	<u>0</u> 29	<b>HEAD RESTRAINT DAMAGE</b> (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	<u>0</u> 45

SEATS ST-2					
<b>FRONT SEAT ADJUSTMENT</b>	DRIVER	PASSENGER	<b>SECOND SEAT (CONT.)</b>		
<b>SEAT ADJUSTMENT TYPE</b>			<b>CENTER ARMREST DAMAGED</b>		
(0) NONE ( <i>RIGID</i> ) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE ( <i>NO SEAT</i> ) (9) UNKNOWN	<u>2</u> 46	<u>2</u> 47			<u>6</u> 60
<b>ADJUSTMENT PROVIDED</b>					
(1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: <u>8-way</u> (8) NOT APPLICABLE (9) UNKNOWN	<u>7</u> 48	<u>7</u> 49			
<b>SEAT ADJUSTER DAMAGE</b>			<b>SECOND SEAT-BACK</b>	LEFT	RIGHT
(0) NONE (1) CHUCKING ( <i>FREE PLAY</i> ) (2) DEFORMED ( <i>RELEASED/JAMMED</i> ) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	<u>0</u> 50	<u>0</u> 51	<b>LOCKS</b>		
			<i>FOR THE FOLLOWING, USE:</i>		
			(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		
<b>SEAT ADJUSTER SEPARATION</b>			LEFT OR CENTER, EQUIPPED	<u>8</u> 61	<u>8</u> 62
(0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN	<u>8</u> 52	<u>Y</u> 53	LEFT OR CENTER, HELD	<u>8</u> 63	<u>8</u> 64
			(3) SEAT FOLDED DOWN		
<b>PRE-CRASH POSITION</b>			RIGHT, EQUIPPED	<u>8</u> 65	<u>8</u> 66
(1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN	<u>1</u> 54	<u>3</u> 55	RIGHT, HELD	<u>8</u> 67	<u>8</u> 68
			(3) SEAT FOLDED DOWN		
<b>SECOND SEAT</b>	LEFT	RIGHT	<b>THIRD SEAT</b>		
<b>TYPE OF SECOND SEAT</b>			EQUIPPED	<u>0</u> 69	<u>0</u> 70
(0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN	<u>1</u> 56	<u>1</u> 57	BACKREST DAMAGED	<u>8</u> 71	<u>8</u> 72
			CUSHION DAMAGED	<u>8</u> 73	<u>8</u> 74
<b>SECOND SEAT DAMAGE</b>			<b>VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS</b>		
(0) NONE (1) BACKREST ONLY <i>(DAMAGED OR LOOSENED)</i> (2) CUSHION ONLY <i>(DAMAGED OR LOOSENED)</i> (3) BACKREST & CUSHION <i>(DAMAGED OR LOOSENED)</i> (4) INTEGRAL CHILD SEAT <i>(PRIORITY CODE)</i> (5) LUGGAGE AREA ACCESS PANEL <i>(DAMAGED OR LOOSENED)</i> (8) NOT APPLICABLE (9) UNKNOWN	<u>0</u> 58	<u>0</u> 59	(0) NOT EQUIPPED <i>(OR REMOVED)</i> (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE <i>(NO REAR SEAT)</i> (9) UNKNOWN		<u>1</u> 75
			<i>Applies to any rear-seat position</i>		

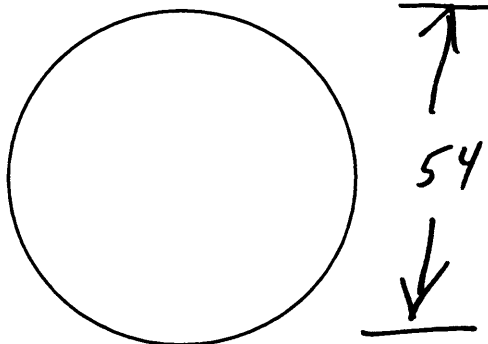
<p>DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p>PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 18</p>
<p>DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 19</p> <p><u>0</u> 20</p>	<p>PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 21</p> <p><u>0</u> 22</p>

AIRBAG NUMBER ON DRIVER SIDE:

2 VENTS @  
10 & 2



NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:

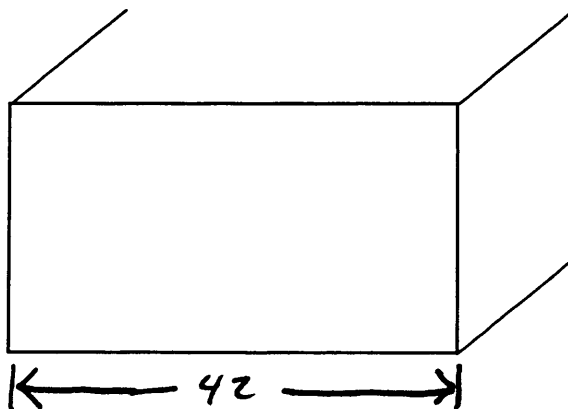


AIRBAG NUMBER ON PASSENGER SIDE:

2 VENTS @ 3 & 9  
ON SIDES

1 FLAR  
27 W  
6 T

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR  
DAMAGE ON DIAGRAM BELOW:



NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,  
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,  
ARE TO BE FILLED IN  
FOR EACH CASE VEHICLE OCCUPANT,  
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,  
USE ADDITIONAL COPIES  
OF PAGES OC-1, OC-2, OC-3,  
AND IC-2 TO DESCRIBE THEM  
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8  
from the previous card.

Module 0 C Format 0 2  
9 10 11 12

## OCCUPANT INFORMATION OC-1

<b>OCCUPANT IDENTIFICATION</b>  OCCUPANT NUMBER <u>01</u> <small>13 14</small>  ROLE OF OCCUPANT AT 1ST IMPACT  (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN <u>1</u> <small>15</small>		<b>PHYSICAL DESCRIPTION</b>  AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN <u>34</u> <small>20 21</small>  AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN <u>25</u> <small>22 23</small>  MASS (kg) (999) UNKNOWN <u>(160 lb)</u> <u>073</u> <small>24 25 26</small>  HEIGHT (cm) (999) UNKNOWN <u>(5ft 10 in)</u> <u>178</u> <small>27 28 29</small>  SEX (1) MALE (2) FEMALE (9) UNKNOWN <u>1</u> <small>30</small>	
<b>OCCUPANT POSITION</b>  ROW LOCATION  (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN <u>1</u> <small>16</small>  LATERAL LOCATION  (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN <u>1</u> <small>17</small>  POSTURE  (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN <u>10</u> <small>18 19</small>		<b>MEDICAL CONDITIONS</b>  TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN <u>02</u> <small>31 32</small>  INJURY SEVERITY SCORE (ISS)  (99) UNKNOWN <u>01</u> <small>33 34</small>  NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN <u>0</u> <small>35</small>	

# OCCUPANT INFORMATION OC-2

## MEDICAL CONDITIONS (CONT.)

### POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY,  
SEVERITY UNKNOWN
- (9) UNKNOWN

36

## CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE  
(ADULT OR OLDER CHILD)
- (99) UNKNOWN

8 8  
41 42

## CHILD SEAT MAKE/MODEL

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## RESTRAINT SYSTEM

### ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (9) UNKNOWN

3  
37

### ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &  
SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

3  
38

### PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO  
WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO  
WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED &  
PASSIVE RESTRAINT
- (7) OTHER: \_\_\_\_\_
- (9) UNKNOWN

1  
39

### PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY  
EQUIPPED)
- (9) UNKNOWN

2  
40

## EJECTION

### DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0  
43

### AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR  
FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: \_\_\_\_\_
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

9 8  
44 45

### IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

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## HEAD RESTRAINT

### HEAD RESTRAINT AVAILABLE FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

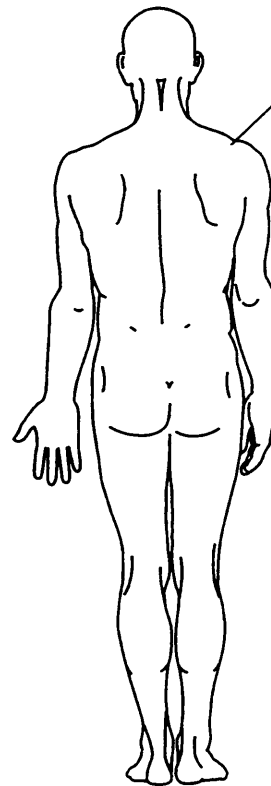
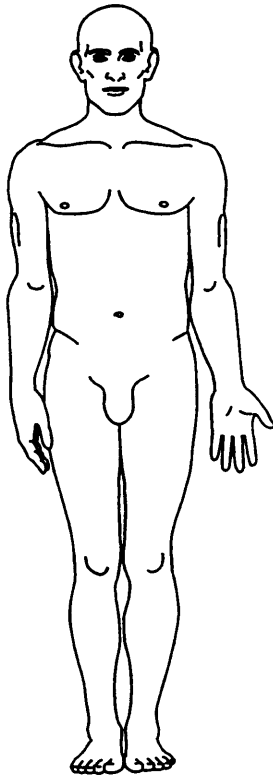
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46



# OCCUPANT INFORMATION OC-3

<p><b>OCCUPANT EYEWEAR</b></p> <p>(0) NONE  (1) GLASSES  (2) CONTACTS  (3) BOTH GLASSES AND CONTACTS  (4) OTHER _____  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u>9</u> 47</p>	<p><b>SOURCE OF INFORMATION</b></p> <p>(0) INTERVIEW  (1) HOSPITAL  (2) AUTOPSY  (3) POLICE  (4) OTHER _____  (5) LAY CORONER/EXTERNAL EXAM  (7) COMBINATION OF ABOVE (CIRCLE)  (8) NOT APPLICABLE  (9) UNKNOWN</p>	<p><u>1</u> 48</p>
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INDICATE LOCATION OF INJURIES.



**Strain,  
right  
shoulder  
(1)**

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

## OCCUPANT INJURY CLASSIFICATION

[illegible]

**NOTE: USE ADDITIONAL PAGES IF NECESSARY.**

## CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

## FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

## REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

## INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

## SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

## FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

## ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

## EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

## BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

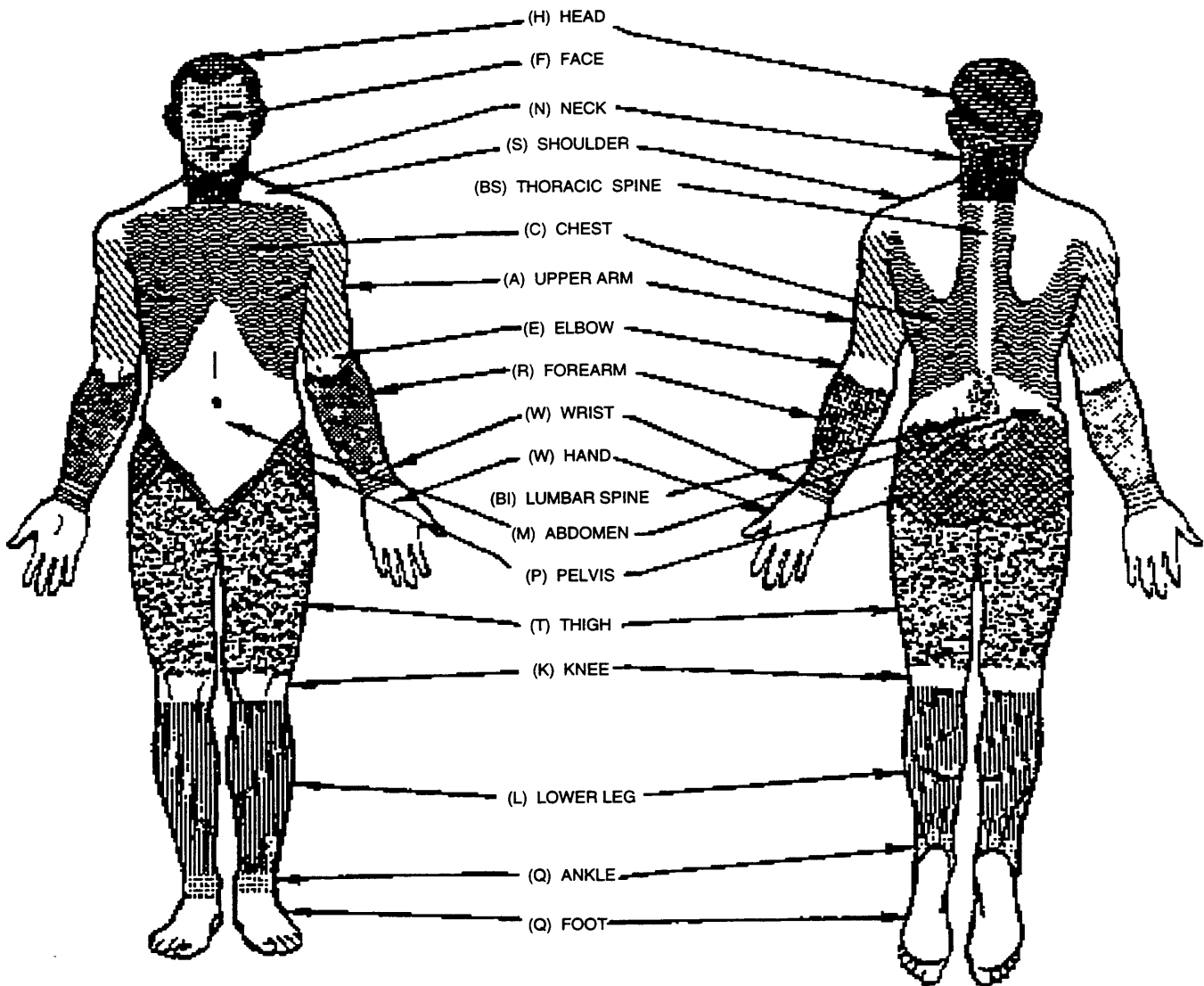
## PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

## MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW  
IS AN EXPLANATION OF THE BODY REGION CODES  
LISTED ON PAGE IC - 4.



## CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1

BODY REGION

(H) HEAD/SKULL

(F) FACE

(N) NECK

(S) SHOULDER

(X) UPPER EXTREMITIES

(A) ARM (UPPER)

(E) ELBOW

(R) FOREARM

(W) WRIST/HAND

(C) CHEST

(M) ABDOMEN

(B) BACK

(P) PELVIC/HIP

(Y) LOWER EXTREMITIES

(T) THIGH

(K) KNEE

(L) LEG (LOWER)

(Q) ANKLE/FOOT

(O) WHOLE BODY

(U) UNKNOWN

3

LESION

(L) LACERATION

(C) CONTUSION

(A) ABRASION

(F) FRACTURE

(P) PERFORATION, PUNCTURE

(K) CONCUSSION

(V) AVULSION

(R) RUPTURE

(S) SPRAIN

(D) DISLOCATION

(N) CRUSH

(M) AMPUTATION

(B) BURN

(G) DETACHMENT, SEPARATION

(Z) FRACTURE AND DISLOCATION

(T) STRAIN

(E) TOTAL SEVERANCE, TRANSECTION

(O) OTHER

(U) UNKNOWN

4

SYSTEM/ORGAN

(S) SKELETAL

(V) VERTEBRAE

(J) JOINTS

(D) DIGESTIVE

(L) LIVER

(N) NERVOUS SYSTEM

(B) BRAIN

(C) SPINAL CORD

(E) EARS

(O) EYES

(A) ARTERIES

(H) HEART

(Q) SPLEEN

(G) UROGENITAL

(K) KIDNEYS

(R) RESPIRATORY

(P) PULMONARY/LUNGS

(M) MUSCLES

(T) THYROID, OTHER ENDOCRINE GLAND

(I) INTEGUMENTARY (SKIN)

(W) ALL SYSTEMS IN REGION

(U) UNKNOWN

2

ASPECT

(R) RIGHT

(L) LEFT

(B) BILATERAL

(C) CENTRAL

(A) ANTERIOR/FRONT

(P) POSTERIOR/BACK

(S) SUPERIOR/UPPER

(I) INFERIOR/LOWER

(W) WHOLE REGION

(U) UNKNOWN

5

SEVERITY

(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE

(1) MINOR

(2) MODERATE

(3) SERIOUS

(4) SEVERE

(5) CRITICAL

(6) MAXIMUM

(9) UNKNOWN

BODY REGION

ASPECT

1

LESION

2

SYSTEM/ORGAN

3

SEVERITY

4

5

Case No.: 16500  
Case No.: (A): 1999 Police  
Type: B-99, 4-wheel sedan  
Driver: 34-year-old male  
Veh. (B): 1997 Dodge Neon, 4-wheel sedan

Light Conditions: Day  
Weather: Cloudy  
Road Surface: Wet  
Road Construction: Right



PN 16500 #1

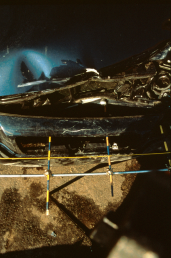


PN 16500 #2





**PN 16500 #3**  
**Best Available**



PN 16500 #4  
Best Available



PN 16500 #5



**PN 16500 #6**  
**Best Available**



**PN 16500 #7**  
**Best Available**



**PN 16500 #6**  
**Best Available**



**PN 16500 #9**  
**Best Available**



**PN 16500 #10**





PN 16500 #11



PN 16500 #12



**PN 16500 #13**  
**Best Available**



**PN 16500#14**  
**Best Available**



PN 16500 #15  
Best Available



PN 16500 #18



PN 16500 #17



PN 16500 #18





PN 16500 #19



**PN 16500 #20**  
**Best Available**



PN 16500 #21



PN 16500 #22



PN 16500 #23



**PN 16500 #24**



**PN 16500 #25**



**PN 16500-#26**





**PN 16500 #27**



PN 16500 #28



**PN 16500 #29**



**PN 16500 #30**



PN 16500 #31



PN 16500 #32



PN 16500 #33



PN 16500 #34





PN 16500 #35



PN 16500 #36



PN 16500 #37



PN 16500 #38



**PN 18500 #39**



**PN 16500 #40**



**PN 16500 #41**



**PN 18500 #42**





**PN 16500 #43**



**PN 16500 #44**



PN 16500 #45



PN 16500 #46

CASE NO.: 16546

CASE VEHICLE: 1999 Volvo

TYPE: B-B, B-side resident

OCCUPANT: Driver, 36 year old male

STATURE: 184cm (6 ft, 10 in) - MASS: 73 kg (160 lb)

RESTRAINTS: 3-point belt, worn (unknown if pretensioner, force, frontal-impact airbag deployment, side-impact airbag did not deploy)

SEVERITY: ISS - 3 - ISS - 1



Scapula,  
right  
shoulder  
(7)